3(5)

SOV/25-59-3-14/46

AUTHOR:

Felorovich, B.A., Doctor of Geographical Sciences,

Professor

TITLE:

On the Roads of Western China (Po dorogam zapadnogo

Kitaya)

PERIODICAL:

Nauka i zhizn', 1959, Nr 3, pp 39 - 43 (USSR)

ABSTRACT:

The author, having visited Western China in 1957 and 1958, describes his impressions. At the invitation of the Academy of Sciences of Red China, a group of Soviet geographers participated in a joint expedition organized to study natural conditions in Rsin-chiang. The biggest project under way is the construction of Central Asian railroad lines, connecting Western and Eastern China with the USSR. The new highways replacing former caravan routes are of equal importance. A problem is the lack of water for irrigation canals in the Central Asian deserts. Apart from rivers and water reservoirs, which are not always available, the use of sub-

Card 1/2

On the Roads of Western China

SOV/25-59-3-14/46

ground water - artesian wells - holds such great prospects for the future, that they are called "the gold of the desert". Enormous success has already been achieved in agriculture. If the cotton harvest for 1949 is taken as 100%, this crop reached 543% in 1955 and 1,110% in 1956. There are 5 sketches and 5 photos.

Card 2/2

"APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00041271

"Geomorphological Map of the USSR and Adjacent Territories"

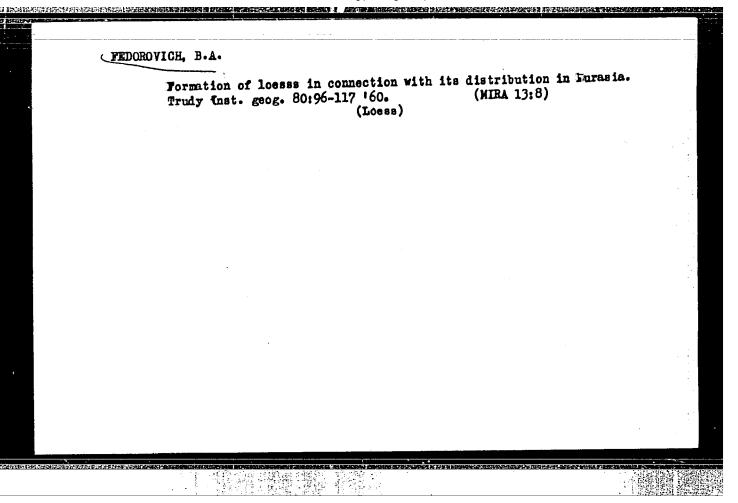
report to be submitted for the Intl. Geographical Union, 10th General Assembly and 19th Intl. Geographical Congress, Stockholm, Sweden, 6-13 August 1960.

\$/026/60/000/02/031/052 3(1) D031/D002 Fedorovich, B.A., Professor (Moscow) AUTHOR: Aurora Polaris in China TITLE: Priroda, 1960, Nr 2, p 105 (USSR) PERIODICAL: The author describes an exceptionally bright aurora po-ABSTRACT: laris observed by him and a group of scientific collaborators of the Akademiya nauk SSSR (USSR Academy of horators of the Akademiya nauk SSSK (USSK Academy of Sciences) and the Academy of Sciences of the Chinese People's Republic in the evening of 15 July 1959 from the shore of the Urungu river at Kelensay (Ertay) located at 46° northern latitude and 90°20' eastern longitude. The author emphasizes the fact that on the next day from 11 to 15:40 hours, the blowing hot west wind was accompanied by frequent and very strong gusts of a burning wind which was never observed by the men during the 3 years of their work in Sinkiang. during the 3 years of their work in Sinkiang. Card 1/1

GERASIHOV, I.P.; GELLER, S.Yu.; DUMITRASHKO, N.V.; KAMANIN, L.G.; KORZHUYEV, S.S.; MESHCHERYAKOV, Yu.A.; FEDOROVICH, B.A.

In memory of Academician N.S.Shatskii. Isv. AN SSSR. Ser. geog. no.6:146-147 N-D '60. (MIRA 13:10) (Shatskii, Nikolai Sergeevich, 1895-1960)

FEDOROVICH, B.A. Basic characteristics of the relief of sands in the Kara Kum-Trudy Inst. geog. 80:30-59 '60. (MIRA 13:8) (Kara Kum-Sand)

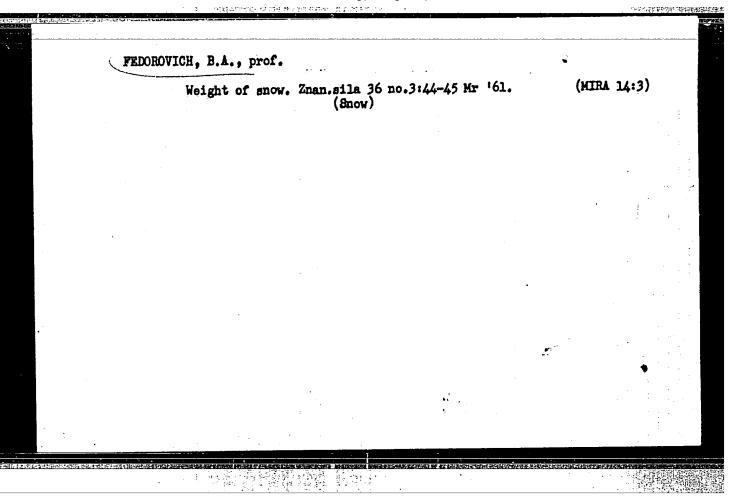


NIKIFOROVA, K.V., otv. red.; LAVRUSHIN, Yu.A., otv. red.; LINGERSGAUZEN, G.F., red.; FEDOROVICH, B.A., red.; IVANOVA, I.K., red.; RAVSKIY, E.I., red.; MARENINA, T.Yu., red. izd-va; KASHINA, P.S., tekhm. red.; NOVICHKOVA, N.D., tekhm. red.

[Materials of the All-Union Conference on the Study of the Quaternary Period] Katerialy Vsesoiuznogo soveshchaniia po izucheniiu chetvertichnogo perioda, Moscow, 1957. Moskva, Izd-vo Akad. nauk SSSR. Vol.3. [Quaternary sediments in the Asian part of the U.S.S.R.] Chetvertichnye otlozheniia Aziatskoi chasti SSSR. 1961. 442 p. (MIRA 14:9)

1. Vsesoyuznoye soveshchaniye po izucheniyu chetvertichnogo perioda, Moscow, 1957.

(Soviet Central Asia—Geology) (Siberia—Geology)



FEDOROVICH, B.A.

"Les types dynamiques du relief des sables comme fondement scientifique de la lutte contre les sables."

Report submitted to the IGU Arid Zone Commission Colloquium, Iraklion, Greece, 19-26 Sep 1962.

BASHENINA, Nina Viktorovna; LEONT'YEV, Oleg Konstantinovich; PIOTROVSKIY, Mikhail Vladimirovich; SIMOHOV, Yuriy Gavrilovich; VYSKREBENTSEVA, V.S.; ZARUTSKAYA, I.P.; Prinimali uchastiye ZORIN, L.V.; ORLOV, I.V.; ZVONKOVA, T.V.; FFDOROVICH, B.A.; SHATALOV, Ye.T., retsenzent; GLAZOVSKAYA, M.A., retsenzent; ARISTARKHOVA, L.B., retsenzent; YERMAKOV, M.S., tekhn. red.

> [Methodological guide to geomorphological mapping and the carrying out of geomorphological surveys at scales of 1:50 000 - 1:25 000 (with legend)]Metodicheskoe rukovodstvo po geomorfologicheskomu kartirovaniiu i proizvodstvu geomorfologicheskoi smemki v masshtabe 1:50 000 -1:25 000 (s legendoi). Pod red.N.V.Basheninoi. Moskva, Izd-vo Mosk.univ., 1962. 202 p. [Legend; supplements VIII-[XI]]Legenda geomorfologicheskoi karty Sovetskogo Soiuza masshtaba 1:50 000 - 1:25 000; prilozhenie VIII-[XI] 1960. 25 p. (MIRA 15:7)

(Geomorphology-Maps)

FEDOROVICH, B.A., doktor geograf.nauk (Moskva)

Nature of deserts and their future. Priroda 51 no.10:54-56
0 '62. (MIRA 15:10)
(Soviet Central Asia—Deserts)
(Soviet Central Asia—Reclamation of land)

FEDOROVICH, B.A.

Classification of sands for mapping purposes as exemplified in western Turkmenia. Zemlevedenie 5:9-24 160. (MIRA 15:8) (Turkmenistan—Sand—Classification)

Permafrost formations in the steppes and deserts of Eurasia. Trudy Kom, chetv.per. 19:70-100 °62. (MIRA 16:1) (Eurasia—Frosen ground)

BABAYEV, Agadshan Gel'dyyevioh; FEDOROWICH, R.A. doktor geogr.
nauk, prof., red.; KUZ'MENKO, A.I., red.; IVONT'YEVA,
G.A., tekhn. red.

[The Kara Kum Desert] Pustynia Kara-Kumy. Pod red. B.A.
Fedorovicha. Ashkhabad, Izd-vo AN Turkm.SSR, 1963. 87 p
(MIRA 16:8)

(Kara Kum)

ZAYCHIKOV, V.T.; MASHBITS, Ya.G.; NAZAREVSKIY, O.R.; FEDOROVICH, B.A.; FREYKIN, Z.G.

Teaching geography in the secondary school. Izv. AN SSSR. Ser. geog. no.5:110-118 S-0 '63. (MIRA 16:10)

FEDOROVICE; B.A.; SHCHERBAKOV, D.I.

V.A. Obruchev's activity in the Crimea. Och. po ist. geol. 2nan. no.12:51-62 '63. (MIRA 16:10)

DZERDZEYEVSKIY, B. L., prof.; FORMOZOV, A. N., prof. (Moskva);
GALAKHOV, N. N., doktor geograf. nauk (Moskva); FEDOROVICH,
B. A., prof. (Moskva); BUTIYEV, V. T.

What the "Calendar of nature" will tell in 1963. Priroda 52 no.1:125-128 '63. (MIRA 16:1)

1. Gosudarstvennyy pedagogicheskiy institut im. V. I. Lenina, Moskva (for Butiyev).

(Natural history)

FEDOROVICH, B.A., prof. (Moskva)

"Atlas of Irkutsk Province." Reviewed by B.A.Pedorovich.
Priroda 52 no.3:48 '63. (MIRA 16:4)

(Irkutsk Province—Maps)

FEDOROVICH, B.A.; SHCHERBAKOV, D.I.

A.E.Fersman, mineralogist, geochemist and transformer of nature. Izv. AN SSSR. Ser. geog. no.1:94-100 Ja-F 164. (MIRA 17:3)

KIRYUKHIN, L.G.; KLEYNER, Yu.M.; FEDOROVICH, B.A.: KHONDKARIAN, S.O.

Reviews and bibliography. Biul. MOIP. Otd. geol. 39 no.6:
122-126 N-D '64. (MIRA 18:3)

GERASIMOV, I.P.; MINTS, A.A.; NAZAREVSKIY, O.R.; FEDOROVICH, B.A.

Present state of the geographical science in Kazakhstan (in connection with the 3d conference of geographers of Kazakhstan).

Izv. AN SSSR. Ser. geog. no.5:117-119 S-0 65.

(MIRA 18:10)

F=DOROVIGH, B,D.

Vechernyaya Moshva, Tues 100ct 1950, No. 240 (6141)

On 26 Oct. at 1400 B.D. Fedroovich submitted his dissertation for the title of Cand. of Tech. Sci. on the theme "Problem of the Possibilities of Utilizing a Free Cyroscepe for Orienting Underground Workings" at the Moscow Minning Institute imeni K. V. Stalin.

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FEGOROV	101	P. C 1-	
USSR/ Engi	nee	ring - Pipe welding	
Card 1/1	Pu	b. 128 - 20/26	
Authors	8	Fedorovich, D. A.	
Title	t :	Concerning the standardization of welded joints on pipelines	
Periodical	1	Vest. mash. 2, 99-102, Feb 1954	:
Abstract	*	Problems related to standardization of welding operations and tion of uniform weld-joints on pipelines are discussed, and tec is given on requirements and government standards. Tables;	hnical data
Institution	:	**************************************	
Submitted	:		, W
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स्यक्षर्थं व्यक्तिस्य स्टब्स्य व्यक्तिस्य स्थाप			

FEDOROVICH, D.A., inshener

Standards for the nominal, testing and effective pressure requirements of pipe fittings and accessories. Standartizateiia no.6:37 - 46 N-D'54. (MIRA 8:10)

1. Leningradskiy metallicheskiy savod imeni Stalina (Pipe fittings--Standards)

FEDOROVICH, D.A., inzhener

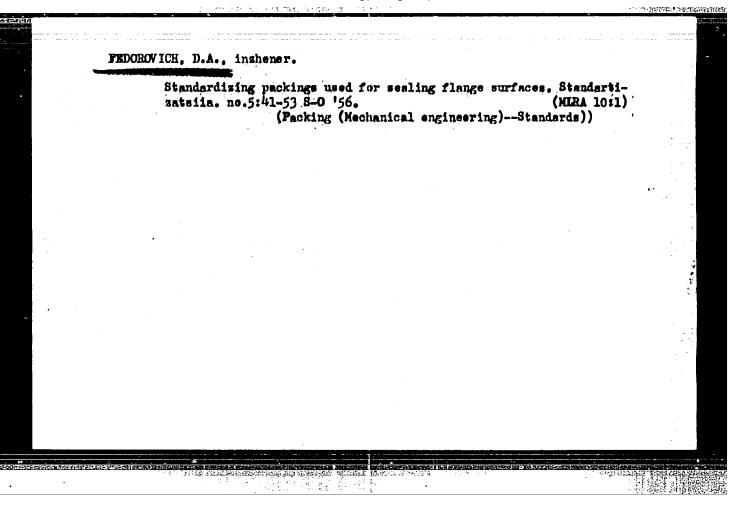
Standard flanges, their packing surfaces and gaskets. Standarti - zatsiia no.3:35-45 Ky-Je 55. (MIRA 8:10)

1. Leningradskiy metallicheskiy zavod imeni Stalina (Flanges--Standards)

FEDOROVICH, D.A., inshener.

Establishing unified standards for flanges used in industrial and marine piping. Standartisateiia no.1:36-43 Ja-Fe 156.
(MLEA 9:2)

1.Leningradskiy metallicheskiy savod imeni Stalina. (Pipe flanges-Standards)

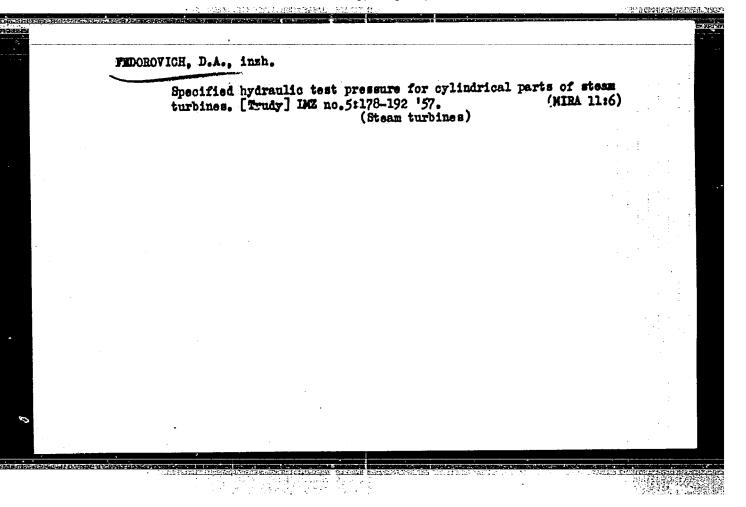


FEDCROVICH, D. A.

Fedorovich, D. A., Engineer. Hydraulic Test Pressure of Steam Turbine Cylindrical Elements page 178

This article deals with the determination of hydraulic test pressures and working pressures for various types of steel at temperatures not specified in existing All-Union State Standards (GOST) 356-52. The article contains tables of turbine design data.

Steam and Gas Turbine Construction, Moscow Mashgiz, 1957, 351 pp.



S/114/60/000/003/006/008 E194/E355

AUTHOR: Fedorovich, D.A., Engineer

TITLE: Flanged Joints for High-pressure Steam Piping

PERIODICAL: Energomashinostroyeniye, 1960, No. 3, pp. 38 - 40

TEXT: Existing standards, FOCT 3618-58 (GOST 3618-58) and 3619-59, for steam conditions for turbines and boilers cover maximum working steam pressures of

140 kg/cm² at 570 °C with reheat to 570 °C. It is inconvenient that there are no standards for flanges for fittings and pipes for these steam conditions. Such parts are usually welded but this is not always convenient. Several attempts have been made, particularly in Germany, to design flanged joints but the construction recommended has a number of disadvantages. For the steam conditions given above the pipe joint recommended comprises two welded flanges spigotted together. The opposing faces are separated by a jointing ring having annular grooves. Detailed recommendations are Card 1/3

S/114/60/000/003/006/008 E194/E355

Flanged Joints for High-pressure Steam Piping

made about the grades of steel to use for flanges and rings, and tables are given of recommended dimensions of flanges, studs and ringed liners or for pipes of various sizes. These flanged joints were designed at the TsKTI (Central Boiler Turbine Institute) where they have been tested and found satisfactory. The flange with grooved seating and jointing ring has been found satisfactory when the flange groove is 1.5 - 2 mm deeper than the thickness of the ring. It was found that the maximum specific load on the contact surface is three or four times greater than the initial yield point of the material of the ring. This is apparently due to friction between the teeth of the ring and the mating surface of the flanges, and also to work-hardening of the metal of the ring, This is why the rings work well with quite a small number of teeth. The rings should be softer than the material of the flanges.

Card 2/3

S/114/60/000/003/006/008 E194/E355

Flanged Joints for High-pressure Steam Piping
The design principles described can be used to develop flange designs for higher steam conditions up to
255 kg/cm² at 585 °C, if the steel 15×1110 (15KhlMlF) is replaced by a steel of better heat-resisting properties. Flanges of the designs described may now be used by design offices for steam pipes and fittings for the aforementioned steam conditions and they will be incorporated in standard TOCT1233-54 (GOST1233-54) when it is next revised.
There are 2 figures, 3 tables and 4 Soviet references.

Card 3/3

APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00041271(

FEDOROVICH, D. G.

FEDEROVICH, D. G.

35455. Topografiya Kornya legkiya. V cb: Voprosy grudroy Khirurgii. T. Sh. M., 1949, s. 51-53.

Letopis' Zhurnal'nykh Statey, Vol. 48, Moskva, 1949

PORKHAYEV, G.V., kand.tekhn.nauk; FEDOROVICH, D.I.; SHEYKIN, I.V.;
DUKHIN, I.ie.; SHOHELDKOV, V.K.; SHUR, Yu.L.; FEL'DMAN, G.M.;
FILIPPOVSKIY, S.M.;

[Thermal physics of freezing and thawing soils] Teplofizika promerzaiushchikh i protaivaiushchikh gruntov. Moskva, Nauka, 1964. 195 p. (MIRA 17:8)

1. Moscow. Institut merzlotovedeniya.

FEDOROVICH, D.I.

Use of semiconductor thermistors for determining the thermophysical characteristics of dispersed materials. Mat. k uch. o merz. zon. zem. kory no.9:150-186 *63 (MIRA 18:1)

Dutermining the thermophysical characteristics of soil by means of a field electric exploring apparatus. Ibid. 8187~194

FEDOROVICE	DECEASED	1963/3
surgury	c' 1961	
	see II <i>C</i>	

FEDOROVICI, V.G. [Fedorovich, F.G.]

A new method for the desulfuration of liquid cast iron. Analele metalurgie 16 no.2:73-77 Ap-Je '62.

SVETLICHNYY, P.L.; PEODOROVICH, G., redaktor; VUYEK, M., tekhnicheskiy redaktor.

[Manual for coal mine mechanics] Spravochnik mekhanika uchastra ugol'noi shakhty. Kiev, Gos. izd-vo tekhn. lit-ry USSR, 1953.

(Goal-mining machinery)

(Goal-mining machinery)

SOV/112-57-9-18334

Translation from: Referativnyy zhurnal, Elektrotekhnika, 1957, Nr 9, p 29 (USSR)

AUTHOR: Korsakov, P., Fedorovich, Communication

TITLE: Quick-Combustion Furnaces as a Source of Fuel Economy (Topki skorostnogo goreniya — istochnik ekonomii topliva)

PERIODICAL: Stroit. materialy, izdeliya i konstruktsii, 1956, Nr 8, pp 15-16

ABSTRACT: For 1956, 170,340 tons of reference fuel consisting largely of production waste, such as sawdust, slabs, wood shavings, and battens, has been allotted for Glavstandartdom enterprises. The boilers at these enterprises have pile-type furnaces and inclined fire-grate furnaces; the boiler capacity decreases as the humidity of fuel increases. These furnaces are clumsy and bulky and in most cases are partly embedded in the ground, which requires their hydroinsulation; a lot of refractory brick and cast iron is necessary for building such furnaces. Over the last five years, new quick-combustion furnaces invented by V. V. Pomerantsev (see figure) and intended for burning wooden waste having up to 55% moisture content have proved fairly successful

Card 1/2

SOV/1112-57-9-18334

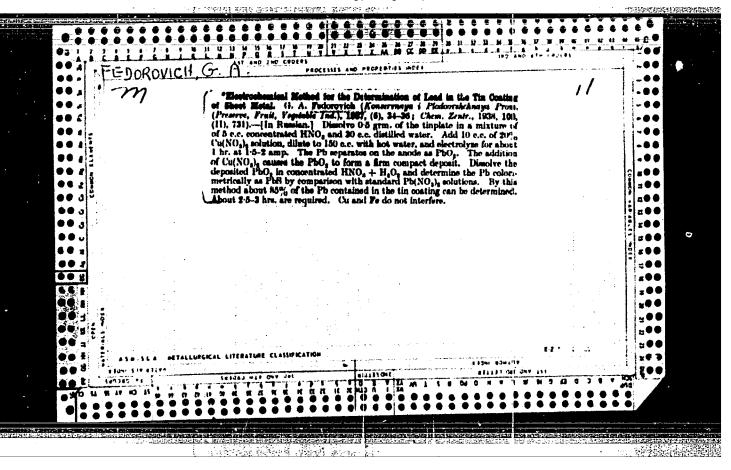
Quick-Combustion Furnaces as a Source of Fuel Economy

in operation. Fuel (1) is fed by conveyer into the shaft (2) and, as it burns away in the active zone, the fuel sinks and passes the throat (3) of the shaft. The active combustion zone (6) is situated under the throat. Products of wooden thermal decomposition and water vapor enter the second chamber (5), which receives additional air through the port (e) in the roof and receives secondary air through port (d) in the lower part of the chamber. Grating (4) situated between the shaft and the volatile-product combustion chamber precludes fuel entrainment, even under high-forcing conditions (2-10 million kilocal/m² hour) in small-size furnaces and even at the high speed of gases through grating meshes. With a fuel moisture content of up to 55%, the air-excess factor is under 1.3-1.5. In small boilers and locomobiles, the grating is made of refractory brick; in medium-size and large boilers, of pipes connected in the boiler's circulation. The furnace permits utilization of chips, sawdust, etc., for power and technological needs, and yields 2 tens of steel, 40 kg of tar, and 15 kg of wood vinegar powder from each cubic meter of such fuel.

I.V.M.

Card 2/2

"APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00041271



Mochetova, L.T., starshiy nauchnyy sotrudnik.; RUNICH, K.H.; MERCAYICH. A., mladshiy nauchnyy sotrudnik.; SICHEVA, M. Te.

New varieties of canned sardines and anchovies. Ref. nauch. rab. (MIRA 9:11)

(Anchovies) (Bardines)

Au Sa ke. Lust Carrey & Leyus. Lac.

FEDOROVICH, G.A.

Changes in qualitative indexes of hulled green peas during storage and transportation. Kons. i ov. prom. 12 no.3:16-19 Mr '57.

(MIRA 10:5)

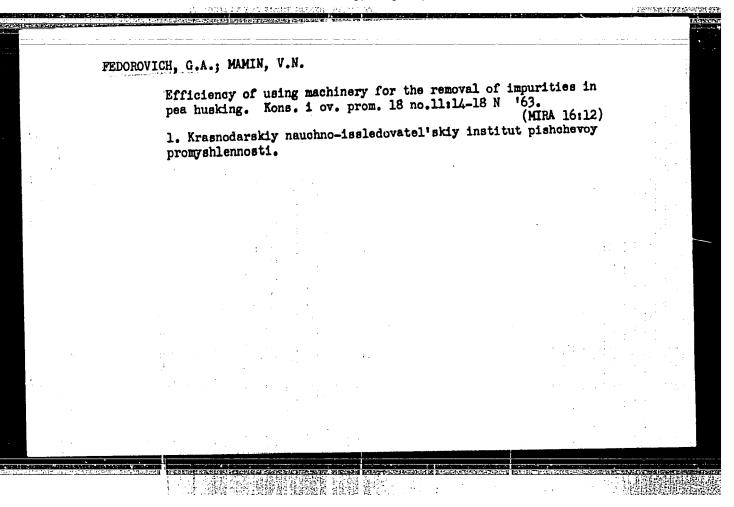
FEDOROVICH, G.A.

Studying the quality of mechanically harvested peas. Kons. i ov.

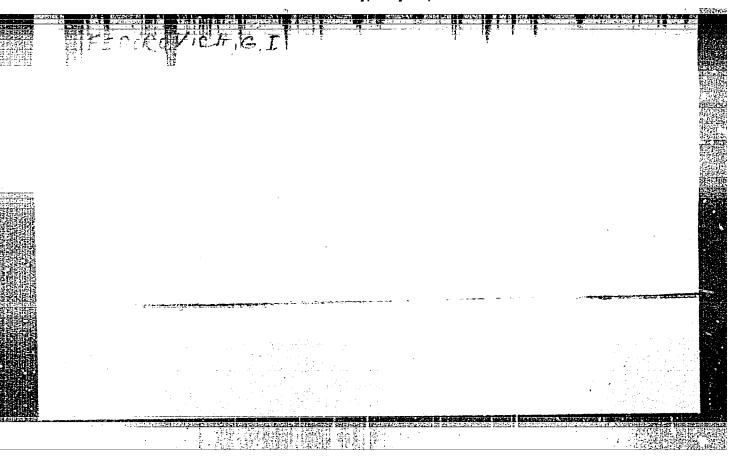
prom. 13 no.6:12-14 Je '58. (MIRA ll:5)

1.Krasnodarskiy nauchno-issledovatel'skiy institut konservnoy

promyshleunosti. (Peas)



"APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00041271



USSR/human and Animal Physiology. Nervous System. Higher Nervous System. Behavior.

The Jour: Ref Zhur-Diol., No 20, 1958, 93665.

Author : Fedorovich, G.I.

Inst

Title : Changes in Heart Activity of Dogs with Development in the Drain Cortex of Differentiation and Extinction Inhibition.

Orig Pub: Zh. vyssh. nervn. deyat-sti, 1957, 7, No 4, 569-574.

Abstract: In 7 dogs of a strong type with developed stereotyped

conditioned food reflexes, a study was made of the influence on heart activity of extended (up to 6 minutes) differentiations and continuous extinction of positive reflexes. Development of internal inhibition led to a slowing down of the heart contractions, and the EKG exhibited a change in voltage of the waves and

Cord : 1/2

Chair Physiot & Odessa Med Ind

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CIA-RDP86-00513R000412710

Changes in respiration during the development of internal inhibition in the cerebral cortex. Vrach.delo no.10:1025-1029 0 '57. (MIRA 10:12) 1. Kafedra normal'noy fiziologii (sav. - prof. F.N.Serkov) Odesskogo meditsinskogo instituts. (RESPIRATION) (CERHBRAL CORTEX)

FEDOROVICH, G.I. [FEDOROVICH, H.I.]

Effect of placental implantation on the secretory function of the atomach [with summary in English]. Fisiol.shur. [Ukr.] 4 no.3 (MIRA 11:7) 421-423 Wy-Je '58

1. Odesskiy medichniy institut im. M.I. Pirogova, kafedra normal'noi fisiologii. (PIACENTA) (STOMACH.—SECHETIONS)

FEDOROVICH, G. I.: Master Med Sci (diss) -- "The problem of the effect of the cerebral cortex on heart activity and respiration". Odessa, 1959. 16 pp (Odessa State Med Inst im N. I. Pirogov), 200 copies (KL, No 9, 1959, 118)

PEDOROVICH O. I.

Effect of aloe extract injections on gastric secretion. Vrach. delo no.3:251-253 Mr 59. (MIRA 12:6)

1. Kafedra normalinoy fiziologii (zav. - prof.N.F.Serkov) Odesskogo meditsinskogo instituta. (STOMACH--SECRRTIONS) (ALOE)

APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00041271(

FEDOROVICH, G.I.

Influence of novocaine on the higher nervous activity of old dogs. Vruch.delo no.7:54-57 Jl 160. (MIRA 13:7)

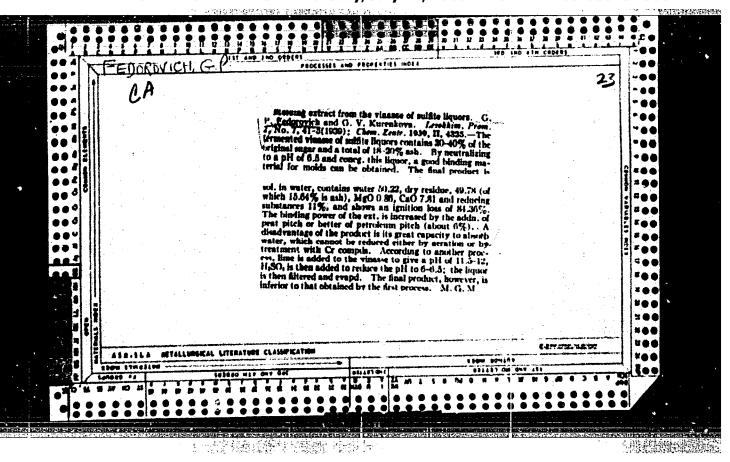
1. Kafedma normal'noy fisiologii (saveduyushchiy - prof. F.H. Serkov) (desskogo meditsinskogo instituta.
(HOVOCAINE) (HERYOUS SYSTEM)

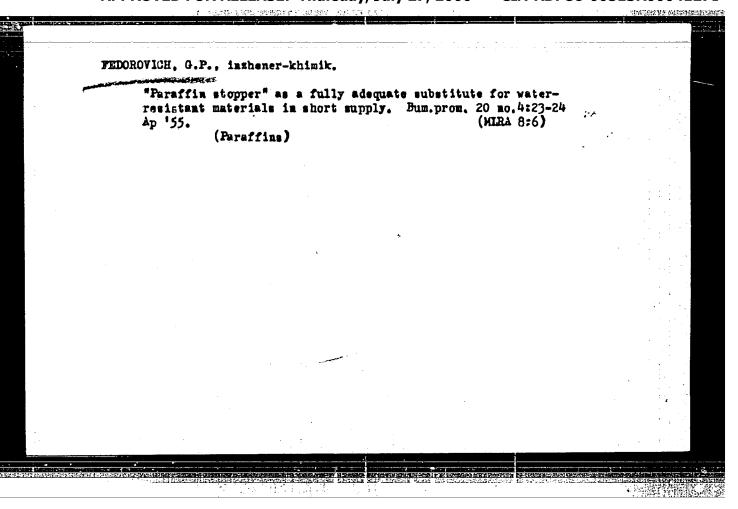
SERKOV, F.N.; FEDOROVICH, G.I.

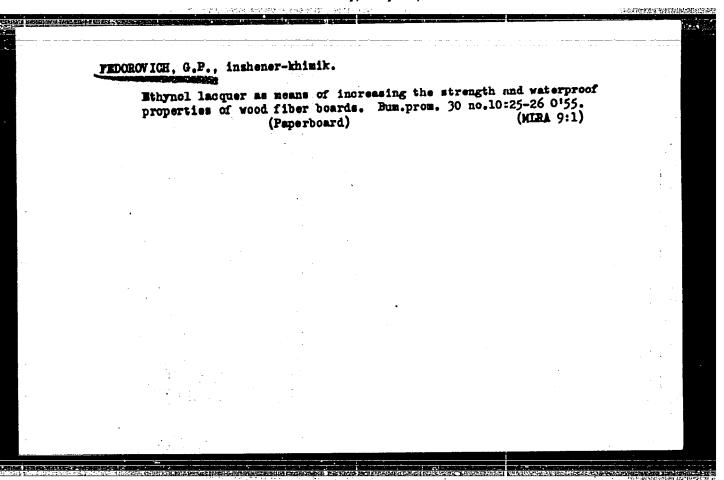
Inhibiting and stimulating effects of a complementary stimulus on the cerebral activity. Zhur. vys. nerv. deiat. 12 no.4:643-648 J1-Ag '62. (NIRA 17:11)

1. Chair of Normal Physiology, Medical Institute, Odessa.

"APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00041271







ARKHINOS, B.Ye.; FOCAN, Y.D.; FEDOROVICH, G.F.

Formation of the Spivakovka uplift at the northwest subsidence of the Donets Basin. Gas.prom. 5 no.10;1-5 0 '60. (MIRA 13:10) (Donets Basin—Geology, Structural)

DAKHNOV, V.N., doktor geol.-miner. nauk; KHOLIN, A.I., kand. geol.miner.nauk; PESTRIKOV, A.S.; GALUZO, Yu.V.; AFRIKYAN, AN.;
YUDKEVICH, R.V.; POPOV, V.K.; POZIN, L.Z.; LARIONOV, V.V.;
VENDEL'SHTEYN, B.Yu.; GORBUNOVA, V.I.; DZYURAK, M.D.; YEVDOKIMOVA,
V.A.; ZHOKHOVA, R.G.; LATYSHEVA, M.G.; MAREN'KO, N.N.; MANCHEVA,
N.V.; MOROZOVICH, Ya.R.; OREKHOVSKAYA, Ye.P.; POKLINOV, M.S.;
ROMANOVA, T.F.; SEVOST'YANOV, M.M.; TANASEVICH, N.I.; FARMANOVA,
N.V.; FEDOROVICH, G.P.; SHCHERBININ, V.A.; ELLANSKIY, M.M.;
YANUSH, Ye.F.; YUNGANS, S.M., ved. red.; YAKOVLEVA, Z.I., tekhn.
red.

[Using methods of field geophysics in studying gas-bearing reservoirs]Primenenie metodov promyslovoi geofiziki pri izuchenii gazonosnykh kollektorov. Moskva, Gostoptekhizdat, 1962. 279 p.
(MIRA 16:2)

(Gas, Natural-Geology) (Prospecting-Geophysical methods)

FEDOROVICH, G.P.; DZYURAK, M.D.; EROSHNIVSKIY, Ya.O.; KALISHER, I.Ya.

Method of radiom 'ric and thermometric investigations under pressure in working producing wells in the Cis-Carpathian region. Neft. 1 gaz. prom. no.4236-39 C-D '64 (MIRA 1822)

LYUBIMOVA, M.N.; DEMYANOVSKAYA, N.S.; FEDOROVICH, I.B., ITOMLENSKITE, I.V.

Functional relation between adenosine triphosphate and leaf movement in Mimosa pudica. Dokl. AN SSSR 161 no.4:964-967 Ap '65.

(MIRA 18:5)

1. Institut biokhimii im. A.N.Bakha i Institut radiatsionnoy i fiziko-khimicheskoy biologii AN SSSR. Submitted April 13, 1964.

KRASHOVSKIY, A.A.; YEROKHIH, Yu.Ye.; FEDOROVICH, I.B.

字型 医全性囊膜 [編集] (1.1.1) E

Fluorescence of green photosynthesising bacteria and the state of bacteriovirdin in them. Dokl. AN SSSR 134 no.5:1232-1235 0 60. (MIRA 13:10)

1. Institut biokhimii im. A.N.Bakha Akademii nauk SSSR i Moskovskiy gosudarstvennyy universitet im. M.V.Lomonosova. Predstavleno akademikom A.N.Tereninym. (CHLOROBIUM) (FLUORESCENCE) (VIRIDIN)

ACCESSION NR: AP4043943

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AUTHOR: Lyubimova, H. N.; Demyanovskaya, N. S.; Fedgrovich, I. B.; Itomlenskite, I. V.

TITLE: Participation of ATP in the motion function of the Himosa pudica leaf

SOURCE: Biokhimiya, v. 29, no. 4, 1964, 774-779

TOPIC TAGS: adenosine triphosphate, ATP, plant motion, motion function, nucleotide, macroerg, luciferin, ATP determination, Himosa pudica

ABSTRACT: A study was conducted to establish which nucleotide (macroerg) participates in the motive function of the Himosa pudica leaf. It was believed that the motive function in the Himosa leaf is caused by the same factors as in other moving life systems, i.e., the presence of ATP and ATPase. Therefore, quantitative determination of ATP was undertaken in all the elements (primary and secondary stems, links, and leaflets) of the Mimosa pudica leaf. The links, which contain unusual round cells, are considered to be responsible

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for producing the actual motion. ATP was extracted systematically from intact upright leaves anesthetized with other and frozen in liquid nitrogen, and from fatigued, restored, and "sleeping" leaves. The ATP was extracted from the triturated plant mass with 2.5% trichloroacetic scid, precipitated as Ba-salt, and dried in a dessicator. Quantitative determinations were conducted by the photoluminescence method; measurements were conducted of the intensity of the extract containing luciforin-luciforase, which is directly proportional to the ATP content. It was found that the links contained more ATP than any other leaf clements. The highest amount (approximately 24 ug per 1 g plant raw substance) was found in the leaflet-secondary stem The ATP content in the fatigued leaves dropped to 30% of the initial value; in the rested leaves, the ATP content was almost at the initial level. The data obtained indicate that ATP is the leading macroerg in the motion of the leaves of Mimosa pudica. Gratitude is expressed to Prof. L. A. Tumerman for the use of facilities for the determination of small amounts of ATP. Orig. art. has: 4 figures and 1 table.

Cord 2/3

ACCESSION NR: AP4043943

ASSOCIATION: Institut biokhimii im. A. N. Bakha (Institute of Biochemistry); Institut radiatsionnoy i fiziko-khimicheskoy biologii Akademii nauk SSSR, Moscow (Institute of Radiation and Physicochemical Biology, Academy of Sciences SSSR)

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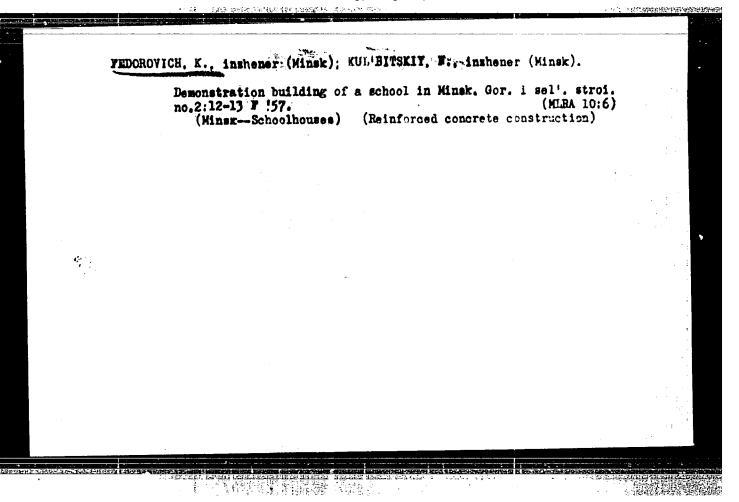
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CONTRACTOR OF SALES

OSTROVSKIY, M.A.; FEDOROVICH, I.B. Enzymatic (adenosinetriphosphatase) activity of digitonin extracts of rhodopsin (visual purple) and its change under the influence of visual light. Dokl. AN SSSR 162 no.6:1412-1414 Je 165. (MIRA 18:7)

1. Institut vysshey nervnoy deyatel nosti i neyrofiziologii AN SSSR i Institut rediatsionnoy i fiziko-khimicheskoy biologii AN SSSR. Submitted October 12, 1964.



Account to one's conscience. Sov. profesiuzy 19 no.13:29 J1 (MIRA 16:9) 1. Organizator profesoyuznoy gruppy vypuaknogo uchantka chulochnotrikotazhnoy fabriki, Smolensk. (Smolensk—Trade unions—Officers) (Smolensk—Knit goods industry)

YELIZAROV, D.P., kand.tekhn.nauk; FEDOROVICH, L.A., inzh.; YASIN, S., inzh.

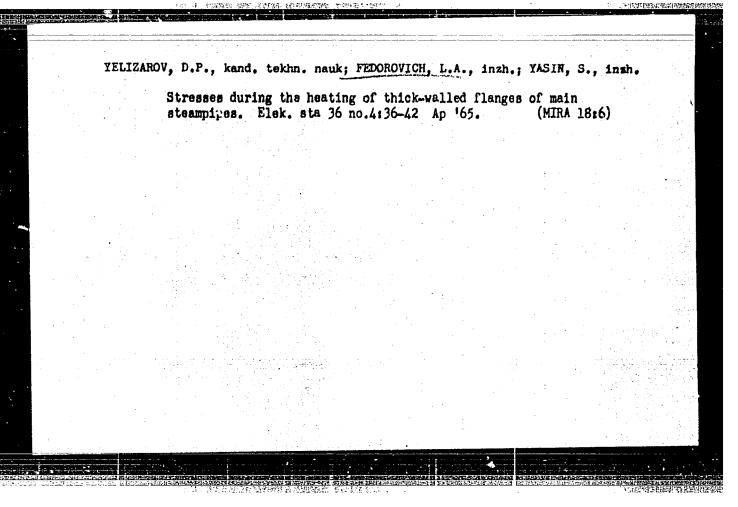
Stresses in the drum of a TP-80 boiler during its firing. Teploenergetika 11 no. 1:28-32 Ja '64. (MIRA 17:5)

1. Moskovskiy energeticheskiy institut.

SOURCE CODE: UR/0020/65/162/006/1412/1414 ACC NRI AP6017472 AUTHOR: Ostrovskiy, M. A.: Federovich, I. B. ORG: Institute of Higher Nervous Activity and Neurophysiology, AN SSNR (Institut vysshey nervncy devatel nosti i neyrofiziologii AN SSSR); Institute of Radiation and Physicochemical Biology, AN SSSR (Institut radiatsionnoy i fiziko-khimicheskoy biologii AN SSSR) TITLE: Change in enzymatic (ATPase) activity of digiton in extracts of rho opein (visual purple) after exposure to visible light SOURCE: AN SSSR. Doklady, v. 162, no. 6, 1965, 1412-1414 TOPIC TAGS: enzyme, organic phosphorus compound, biophysics, luminescence ABSTRACT: In one series of experiments, a medium containing a buffer, MgSO4, ATP, and rhodopsin or indicator yellow, with pH 7, was incubated for 25-30 min. Changes in ATP content were determined by the bioluminescence method in 0.2 ml of the medium withdrawn every 2-3 min. ATPase activity was evaluated from the decrease of ATP in the incubation medium. The experiments revealed considerable ATPase activity of the digitonin extracts of rhodopsin (obtained from dark-adapted intact frog retinas). The speed of the reaction was quite high. In control experiments of this series, a digitonin solution or visual pigment denatured by heating was added to the incubation medium instead of the rhodopsin. Neither had any significant affect on the amount of ATP in the medium. Card 1/2

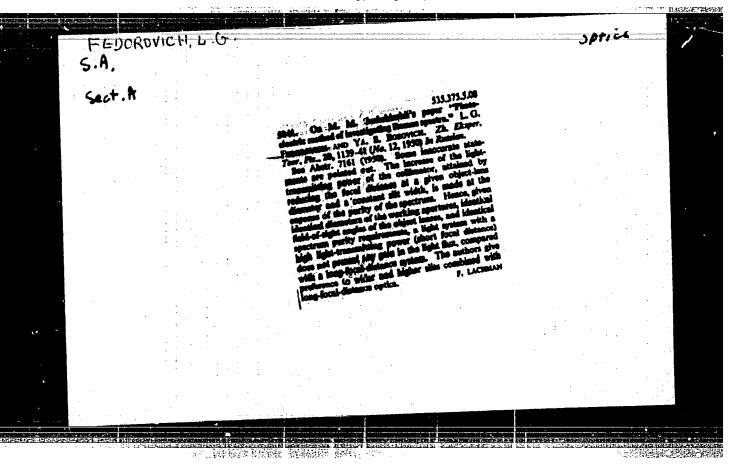
ACC NR. AP6017472 In a second series of experiments, changes in ATP content under the influence of rhodopsin were recorded directly in a luciferin-luciferase system. As a control, digitonin was added to the luciferin-luciferase-ATP complex. It had no affect on the shape of the kinetic curve of bioluminescence extinction. The rate of the reaction was determined from the difference between the intensity of bioluminescence in the experiment (rhodopsin) and in the control (digitonin). A comparison of the enzymatic activity of rhodopsin and the product of its decoloration showed that the latter had less ATPase activity. The authors draw no conclusions from their experiments, but they conjecture that the enzymatic activity of visual pigment is largely dependent on the chromophore-protein bond and on a certain steric configuration of both opsin and retinene. Therefore, the activity of indicator yellow, in which this bond and the configuration of both parts of the chromoprotein molecule are sharply impaired, is much less. The presence of enzymatic activity in visual purple and changes therein after exposure to visible light will help to elucidate the primary mechanisms of photoreception. This paper was presented by Academician V. A. Engel gardt on 12 October 1964. Orig. art. has: 4 figures. /JPRS/ SUB CODE: 06, 20 / SUBM DATE 120ct64 / ORIG REF: 004 / OTH REF: 008

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AUTHOR: Goralkin, B.G. (En	ngineer); Krasil'nikov, S.M. (Engineer); Fedoro-	
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austenitic steel 14,44,59		
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SOURCE: Teploenergetika,	no.9, 1965, 34-38	
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turbine by four lines of m	main steam piping (two from each boller). The	
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wall thickness of 219 x 2	7 mm. Measurement of the stresses at high steam	
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FEDOROVICH, L. G USSR/Physics - Spectral Analysis Card : 1/1 : Kalinyak, A. A. and Pedorovich, L. G. Authors Effect of an electrical field on the absorption spectrum of cupric oxide Title at low temperature Dokl. AN SSSR, 96, Ed. 6, 1137 - 1138, June 1954 Periodical Phenomena occurring in an electrical field and their effect on the absorp-Abstract: tion spectrum of cupric oxide, cooled by submerging in liquid nitrogen, were investigated. Strong electrical fields, reaching several tens of ky per cm reveal the following two phenomena simultaneously: 1) the appearance in the spectrum of new very-weak lines which coincide with none of the known lines and 2) the lines of the first "exciton" series are being displaced toward the long-wave side of the spectrum and expand. It was established that the position of these lines in the spectrum does not depend or depends only slightly upon the field intensity. Four references. Photos, table. The S. I. Vavilov State Optical Institute Institution Presented by : Academician A. A. Lebedev, March 6, 1954

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FEDOROVICH, LEONID GRIGOR YEVICH
PHASE I BOOK EXPLOITATION

- Krichevskiy, Yevgeniy Samoylovich, Fedorovich, Leonid Grigor'yevich, and Fetisov, Vladimir Fedorovich
- Elektrooborudovaniye optiko-mekhanicheskikh priborov (Electrical Equipment of Optical-Mechanical Instruments) Moscow, Oborongiz, 1958. 467 p. 8,000 copies printed.
- Reviewers: Vertsner, V.N., Candidate of Physical and Mathematical Sciences, Kruger, M.Ya., Engineer, Shoshin, I.A., and Sobolev, S.F.; Ed.: Dulin, V.N., Candidate of Technical Sciences; Ed. of Publishing House: Bogomolova, M.F.; Tech. Ed.: Pukhlikova, N.A.; Managing Ed.: Sokolov, A.I., Engineer.
- PURPOSE: This monograph has been approved as a textbook for tekhnikums by the Administration of Secondary Professional Schools of the Ministry of Higher Education, USSR. The book is addressed to students taking courses in the design and construction of optical-mechanical instruments and equipment. It may also be of use to engineering and technical personnel in the industry.
- COVERAGE: This book describes basic electrical devices and systems, their design and their special form as applied to optical-mechanical instruments and equipment. The book contains selected reference material necessary to the student

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Electrical Equipment of Optical-Mechanical (Cont.) 959 for design projects. According to the authors, the present work is the first attempt to systematize the varied material on the subject of electric circuits and systems of optical-mechanical equipment. Part I of Chapter 3, and Parts I and III of Chapters 4, 5, 8 and 9 were written by Ye.S. Krichevskiy. Part II of Chapters 1, 2, and 3, and Part II and IV of Chapters 7 and 9 were written by V.F. Fetisov. Chapter 6 was written by L.G. Fedorovich. The authors thank Candidate of Physical and Mathematical Sciences, V.N. Vertsner and Engineers M.Ya. Kruger, S.F. Sobolev, and I.A. Shoshin for their help in editing the book. There are 132 references, all Soviet (including 3 translations). TABLE OF CONTENTS: 3 Introduction Ch. 1. Electrical Materials Used In The Fabrication of Parts and Units For The Electrical Equipment of Instruments 5 1. General information on electrical materials 2. Characteristics and classification of electrical insulating 5 materials Card 2/11

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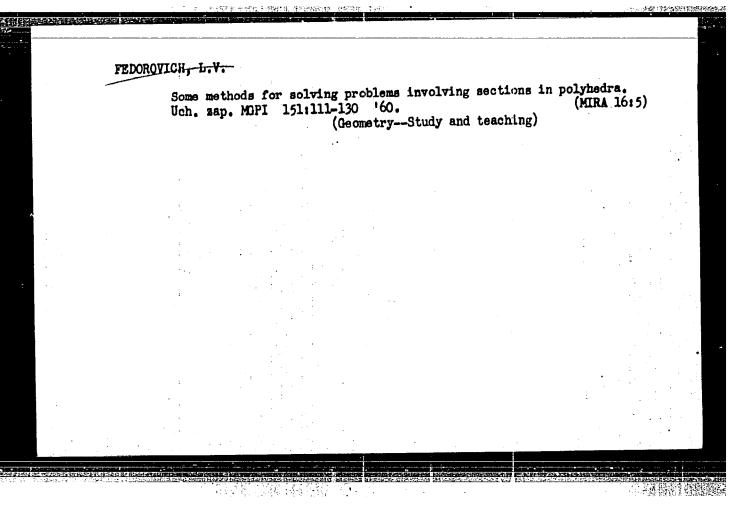
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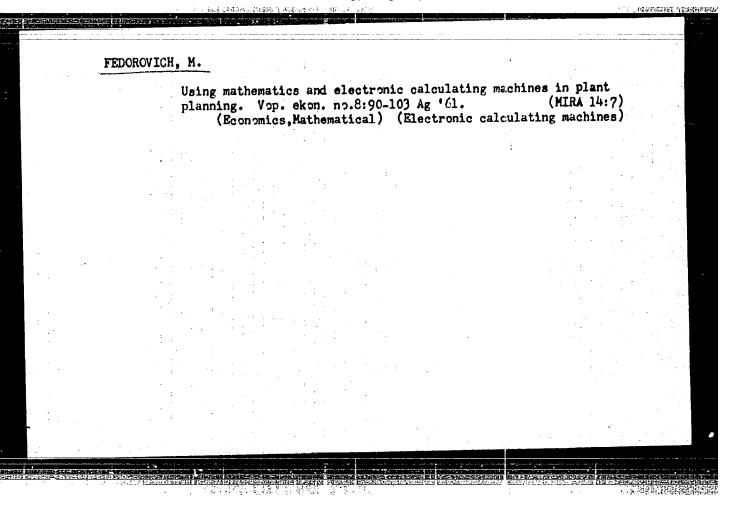
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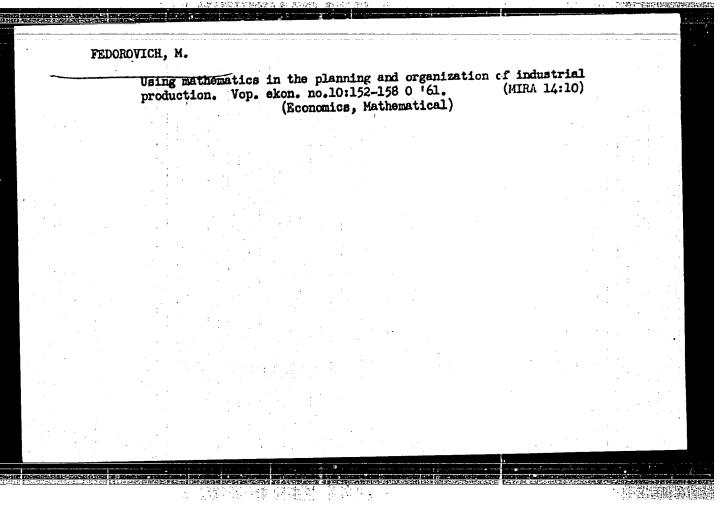
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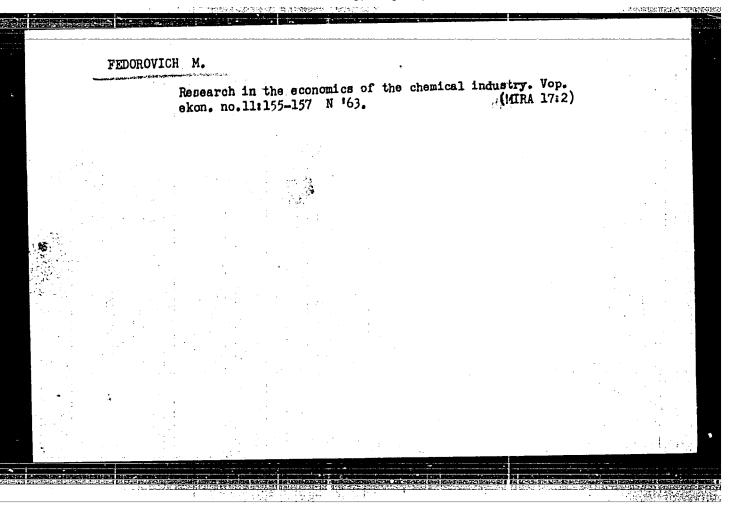
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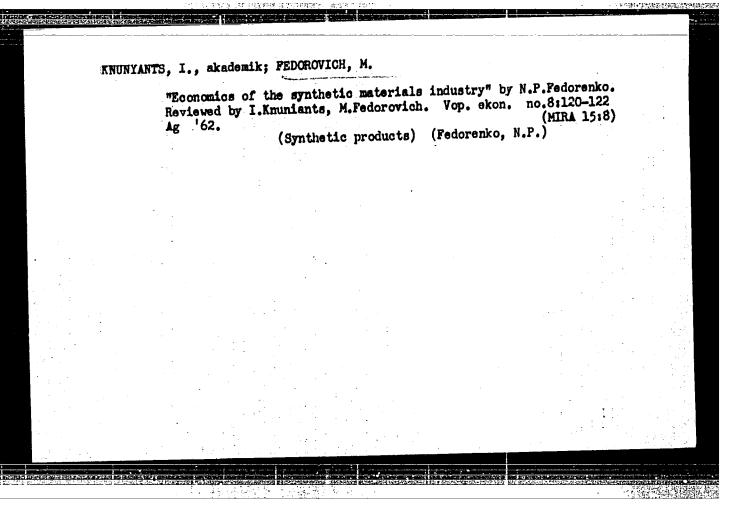


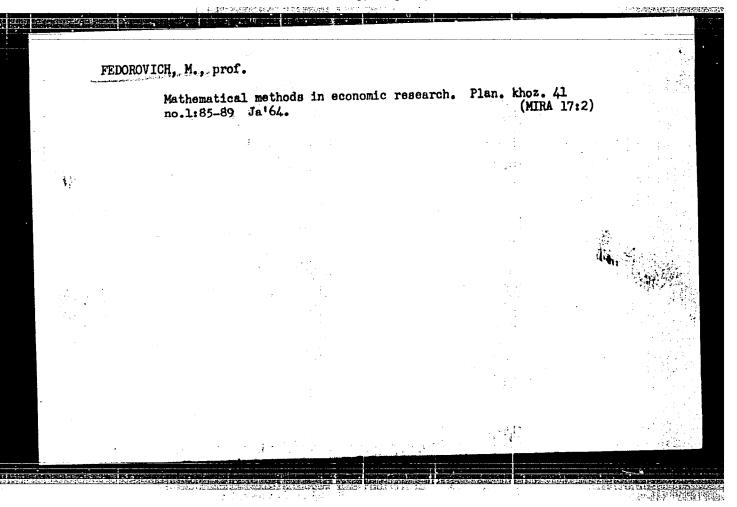






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"Productive Capacity of an Industrial Enterprise and the Methodological Principles of Computing It," Voprosy Ekonomiki, No 2, 1954 Translation W-30969, 27 Sep 54

FEDOROVICH, M. M.

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Fedorovich, Mikhail Mikhalovich, Candidate of Economic Sciences

Upravleniye sotsialisticheskim promyshlennym predpriyatiyem (Management of Socialist Industrial Enterprises) Moscow, Izd- "Znaniye", 1957. 39 p. (Vsesoyuznoye obshchestvo po rasprostraneniyu politicheskikh i nauchnykh znaniy. Seriya III, 1957, no. 23) 85,000 copies printed.

Ed.: Falaleyeva, T. F.; Tech. Ed.: Gubin, M. I.

PURPOSE: The brochure is written to acquaint the general reader with the basic aspects of Soviet management of industrial plants, shops, etc.

COVERAGE: The author, after taking into consideration existing Soviet industrial practices, the recent decentralization of controls, and also the proposals made during the nation-wide review of the decree on the reorganization of industry presents a number of specific recommendations that could lead to an improvement in the management of industrial enterprises. The decree on administrative decentralization of Soviet industry abolished the majority of All-Union and Union Republic ministries, as well

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Management of Socialist Industrial Enterprises

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as a condiderable number of Republic ministries. It preserved only the All-Union ministries for Aviation, Defense, Radio Communications, Shipbuilding and Chemical industries, Medium Machine Building, Transport Equipment, and Electric Stations. The activities of the above ministries are ment, and Electric Stations. The activities of the above ministries are limited to coordination planning and technical surveillance functions to be exercised through regional administrative councils. In place of the abolished ministries, the Soviet Government organized 105 economic administrative regions, of which 70 are in the RSFSR, 11 in the Ukrainian SSR, 9 in the Kazakh SSR, 4 in the Uzbek SSR, and one each in the remaining republics. Administrative control in each economic region is vested in National Economic Councils which in turn are subjected to the Council of Ministers of the respective republic. The Council of Ministers of each republic. There are no references.

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